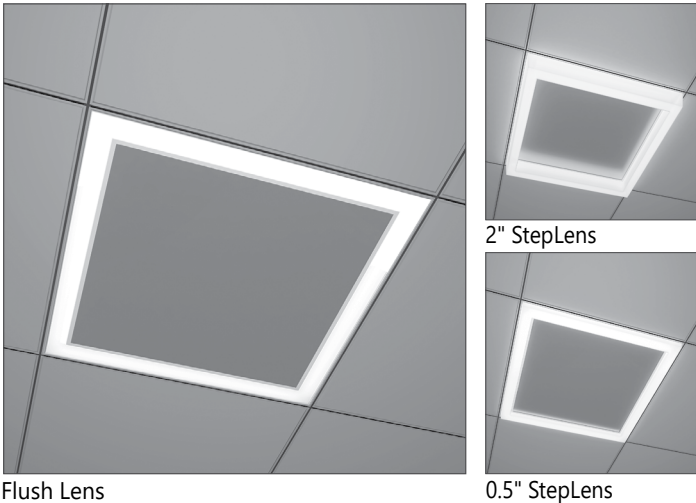




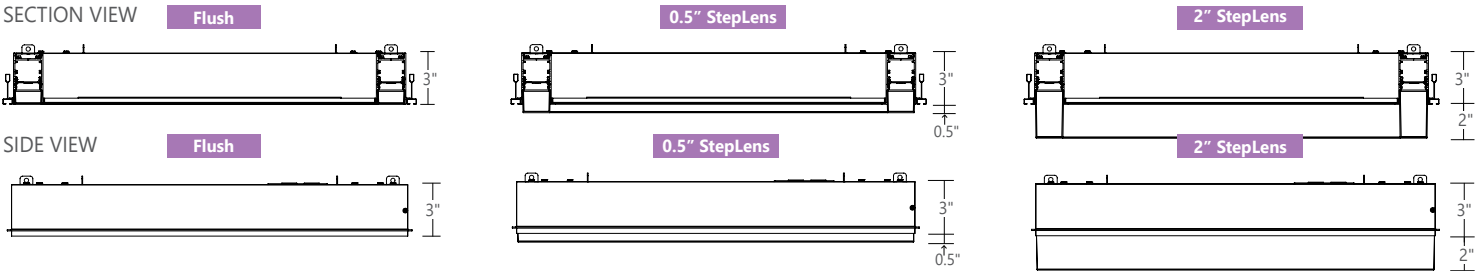
Project

Type

Notes

PERFORMANCE AT 3500K		
NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY
2400 lm	25.4 W	94 lm/W
3200 lm	34.7 W	92 lm/W
4000 lm	43.4 W	92 lm/W

* Based on a 2'x2' flush luminaire using one driver.
Please consult factory for custom lumen output and wattage.



Ordering Guide

SKPO		SIZE	TOTAL NOM. LUMENS		CRI	COLOR TEMP. (choose one)			SHIELDING	
SKPO	Recessed LED	22 2'X2'	1900	1900 lm - Min	80	80 CRI	30	3000 K	TW2750 2700-5000 K - Tunable White	FL flush
			3800	3800 lm - Max at 90 CRI	90	90 CRI*	35	3500 K	TW2765 2700-6500 K - Tunable White	0.5 0.5" StepLens
			4200	4200 lm - Max at 80 CRI			40	4000 K	BTW3527 3500-2700 K - Tunable BIOS	2 2" StepLens
							B30	3000 K - BIOS*	BTW4027 4000-2700 K - Tunable BIOS	+BL(#) Blank*
							B35	3500 K - BIOS*		UB ultra blend lens (flush)**
							B40	4000 K - BIOS*		
		Consult factory for other sizes	Outputs between listed min and max are available. Consult factory for outputs outside of the listed range. Consult factory for max output with BIOS		* Not available with BIOS.		Consult Axitune technical sheet for more information on color technology. *Consult BIOS guide for more information on BIOS technology			*For flush option only **Default lens for Tunable white and BIOS. Consult factory for other lens.
FINISH		VOLTAGE		DRIVER		CIRCUITS			MOUNTING	
W	white	120	120 V	DP	dimming (0-10V) 1%	1	1 circuit		TB9	t-bar 9/16"
		277	277 V	LT	lutron				TB15	t-bar 15/16"
		347	347 V *	BI	bi-level dimming				ST	screw slot t-bar
		UNV	universal	O(#)	other**				TG9	regular 9/16"
		DC	low voltage**	DPB(STC)	dimming (0-10V) 1% with BIOS*				TG15	regular 15/16"
				DPB(DYN)	Bio-dimming™ 100%-81% with BIOS*				DFK	drywall with flange kit
				TW(#)	tunable white drivers*					
				POE(#)	POE drivers*					
		* Consult factory ** Only available with POE drivers.		*See page 2 to specify system **Please consult factory. See page 2.		*Specify quantity				
BATTERY (OPTIONAL)		OTHER (OPTIONAL)		IC CONTROLS (OPTIONAL)			CUSTOM (OPTIONAL)			
BR(#)	Remote battery pack	FW	flex whip (6' std)	DS(#)	daylight sensor				C	custom
				OS(#)	occupancy sensor					
				DOS(#)	daylight & occupancy sensor					
				EN(#)	Enlighted integral*					
				ENR(#)	Enlighted remote**					
				WC(#)	wireless control dimming					
For integral, please consult factory		Other lengths available; please consult factory.		*For flush option only; Please consult factory **Please consult factory Specify Quantity. Requires 8" blank. Remote application possible if required. See integrated controls guide for more details. Consult factory for Tunable White. Not available with DPB (DYN) driver for BIOS with Dynamic Spectrum.			Please specify			

SPECIFICATIONS

CONSTRUCTION

Housing	Extruded aluminum (0.060" nominal).
Optics	Crystal glass optics.
Reflectors	High reflectance post painted steel.
Luminaire support	Integrated Hold-Down clip

ELECTRICAL

Lutron driver	LDE1 - Hi-lume 1% EcoSystem with Soft-on, Fade-to-Black
Other drivers**	DALI - Digital Addressable Lighting Interface DMX - Digital Multiplex Xitanium SR - For wireless sensor
BIOS DPB drivers*	STC - BIOS control 0-10V with static spectrum and BIOS SkyBlue enabled from 100% to 1%. DYN - BIOS control 0-10V with dynamic spectrum and BIOS SkyBlue® with Bio-Dimming™, which changes spectral qualities by removing the SkyBlue component when dimming from 100% to 81%, while light output remains relatively constant; bio-dimming reduces CCT to 2700K. Dimming from 80% to 1% will then reduce light output.
Tunable White TW drivers*	DALIDT6 - DALI Type 6 (Two DALI Addresses) DALIDT8 - DALI Type 8 (One DALI Address)
Power over Ethernet POE drivers*	MOLEX IGOR SMARTENGINE O - Other (Consult factory)
Emergency	Remote emergency battery pack or emergency circuit optional.
Input Voltage	120V, 277V, 347V, UNV, DC.
Flex Whip	Shipped in a separate box for contractors to install

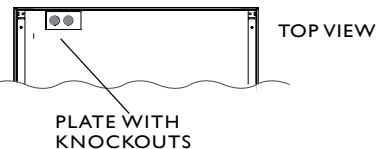
*Choose driver from available options.

i Incorporating these components may have limitations or affect the length of the luminaire. Please contact factory for more details.

STANDARD AND END MOUNT POWER FEED

Knockouts for BX cable connection are provided both on the top of the luminaire. This allows for an end mount power feed.

(BX CABLE BY OTHER)



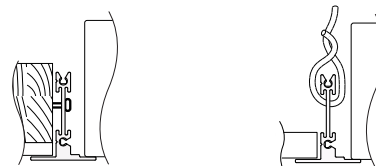
WARRANTY

Limited 5-year warranty is available. Warranty is valid provided luminaires are installed and used according to specifications. For full terms and conditions, please consult warranty section at axislighting.com.

LED SYSTEM

CRI	Minimum 80 or 90 color rendering index.
CRI BIOS	Minimum 80 color rendering index with R9>75 for all CCTs.
CCT Single Color	Choice of 2700K, 3000K, 3500K and 4000K color temperature with a great color consistency (within 3-step MacAdam ellipse). Both within fixture and fixture to fixture.
CCT BIOS	BIOS Static (STC) Choice of 3000K, 3500K and 4000K. BIOS SkyBlue® Dynamic (DYN) Choice of 3000K, 3500K, and 4000K with Bio-Dimming™ BIOS Tunable White (BTW) Choice of 4000-2700K and 3500-2700K; does not use a bio-dimmer, it uses TW drivers, which allow independent control of CCT and intensity; e.g., BTW4027 provides combined SkyBlue + white light at 4000K, SkyBlue is removed at 2700K. Light output can be adjusted for each CCT. Consult BIOS guide for more information on BIOS technology.
CCT Axitune Systems	Consult Axitune technical sheet for more information on color technology.
LED life	Minimum 50,000h with 85% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements.
Thermal Management	Aluminum housing acting as the heat sink to maximize life.
Environment	Dry and damp rated for indoor use only in operating ambient temperatures of 0-40°C (32-104°F).

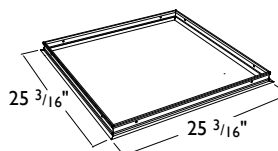
DRYWALL WITH FLANGE KIT (DFK)



WITH WOOD FRAME

WITHOUT WOOD FRAME

DRYWALL MOUNTING KIT



FIXTURE DIMENSIONS
23 7/16" / 23 7/16"

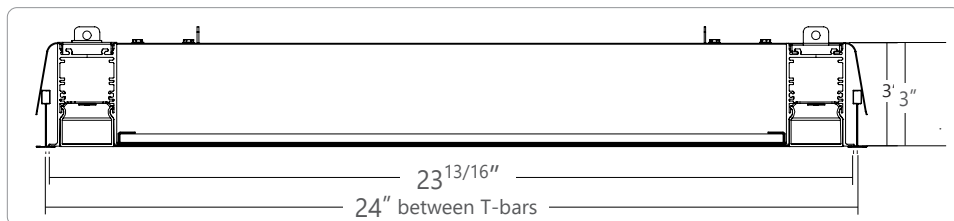
CUT HOLE DIMENSIONS
24 7/16" / 24 7/16"

i Installation sheets for all mounting options are available at: www.axislighting.com

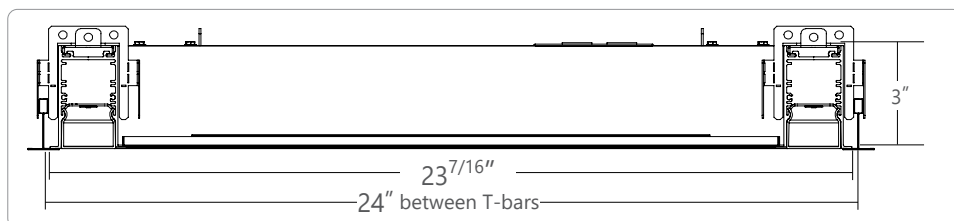
APPROVALS

Certified to UL and CSA standards 
Meets NYC requirements
IC Rated (Insulated ceiling)

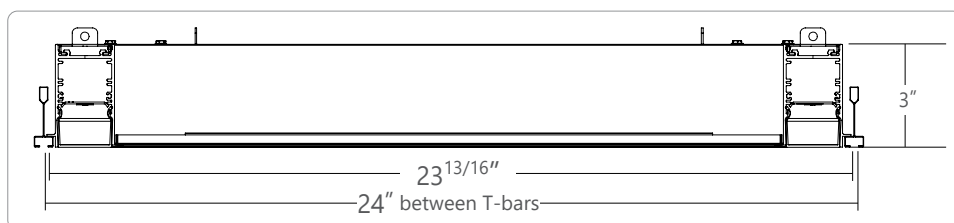
● TB CEILING MOUNTING OPTIONS - FLUSH



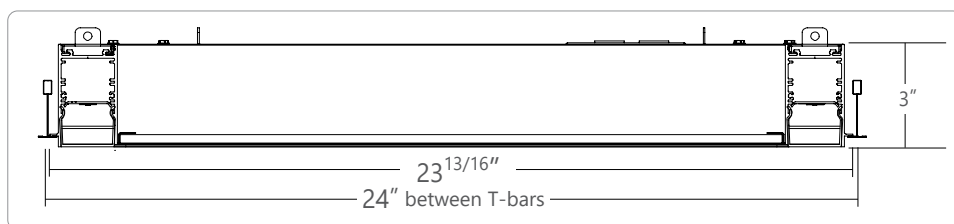
TB9 9/16" T-BAR



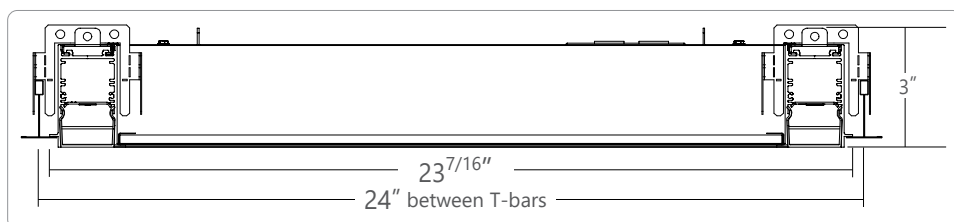
TB15 15/16" T-BAR



ST SCREW SLOT T-BAR

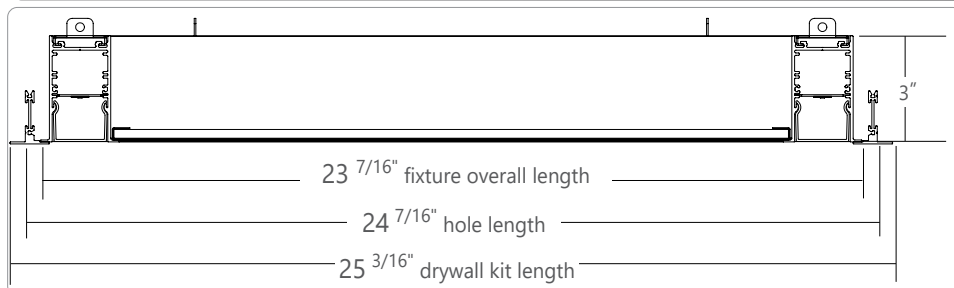


TG9 9/16" T-TEGULAR



TG15 15/16" T-TEGULAR

● DRYWALL MOUNTING - FLUSH



DFK DRYWALL WITH FLANGE KIT

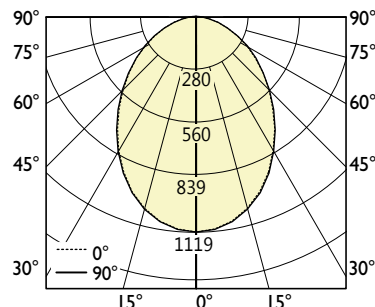
i Specification sheets and Installation sheets for all mounting for SkyePool luminaires are available for download at www.axislighting.com

● PHOTOMETRIC DATA

300/ft lm with Flush lens



PHOTOMETRIC CURVE



Lumen/ft down: 300 lm/ft
Total Lumens: 2400 lm (for 8ft)
Input Watts: 25.4 W
Efficacy: 94 lm/W

CRI:80 shown (for CRI:90 use 0.8 multiplier on watts and efficacy)

IES FILE:SKPLED-22-B4-2400-80-35-FL-W-UNV-D-1.IES
 TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

	Horizontal Angles				
Vertical Angle	0	22.5	45	67.5	90
0	1119	1119	1119	1119	1119
5	1107	1107	1107	1107	1108
15	1032	1032	1034	1035	1035
25	890	891	892	894	894
35	712	712	712	716	716
45	535	533	532	537	539
55	375	372	371	376	378
65	237	236	235	237	239
75	120	120	120	120	121
85	31	32	33	32	31
90	3	3	3	3	2

ZONAL LUMENS

Zone	Lumens
0	
0-10	105
10-20	290
20-30	410
30-40	446
40-50	413
50-60	335
60-70	235
70-80	128
80-90	37
90	1

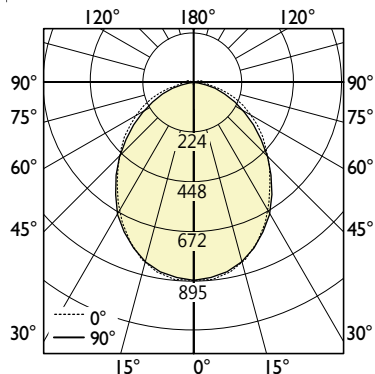
LUMINANCE DATA (cd/m²)

	Horizontal Angles		
Vertical Angle	0	45	90
45	8299	8257	8369
55	7170	7102	7239
65	6161	6091	6208
75	5106	5068	5144
85	3961	4187	3848

300 lm/ft with 0.5" StepLens



PHOTOMETRIC CURVE



Lumen/ft down: 300 lm/ft
Total Lumens: 2400 lm (for 8ft)
Input Watts: 24.8 W
Efficacy: 97 lm/W

CRI:80 shown (for CRI:90 use 0.8 multiplier on watts and efficacy)

IES FILE:SKPLED-22-B4-2400-80-35-0.5L-W-UNV-D-1.IES
 TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

	Horizontal Angles				
Vertical Angle	0	22.5	45	67.5	90
0	895	895	895	895	895
5	887	887	887	887	889
15	835	836	839	837	836
25	731	734	737	736	731
35	601	606	609	607	601
45	476	482	484	481	472
55	362	370	373	366	354
65	260	270	274	265	249
75	169	181	188	177	158
85	91	100	106	99	85
90	34	40	43	39	30
95	29	34	37	32	25
105	24	28	31	27	21
115	19	22	25	21	18
125	16	16	19	15	14
135	10	9	10	9	10
145	6	5	3	5	6
155	1	1	0	1	1
165	0	0	0	0	0
175	0	0	0	0	0
180	0	0	0	0	0

ZONAL LUMENS

Zone	Lumens
0	
0-10	84
10-20	235
20-30	338
30-40	379
40-50	371
50-60	328
60-70	264
70-80	188
80-90	102
90-100	36
100-110	28
110-120	21
120-130	14
130-140	8
140-150	3
150-160	0
160-170	0
180	

LUMINANCE DATA (cd/m²)

	Horizontal Angles		
Vertical Angle	0	45	90
45	7106	7108	7044
55	6548	6597	6406
65	6203	6343	5954
75	6216	6553	5812
85	7828	8076	7288

i All IES files are available for download at: www.axislighting.com

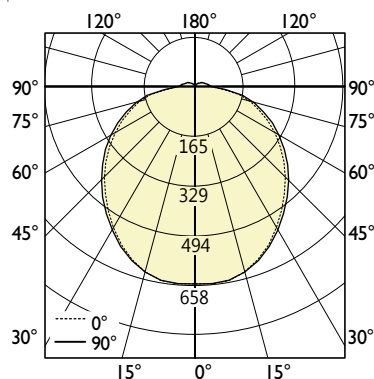
● PHOTOMETRIC DATA

300 lm/ft with 2" StepLens



StepLens

PHOTOMETRIC CURVE



Lumen/ft down: 300 lm/ft
Total Lumens: 2400 lm (for 8ft)
Input Watts: 22.8 W
Efficacy: 105 lm/W

CRI:80 shown (for CRI:90 use 0.8 multiplier on watts and efficacy)

IES FILE:SKPLED-22-B4-2400-80-35-2L-4-W-UNV-D-1.IES
 TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	656	656	656	656	656
5	656	656	657	657	657
15	638	644	649	644	637
25	584	596	600	593	579
35	514	529	533	523	503
45	440	459	463	451	425
55	364	386	393	377	346
65	284	309	320	301	267
75	204	227	239	222	192
85	103	118	129	116	94
90	59	72	80	70	53
95	51	62	70	61	46
105	39	49	56	48	36
115	31	39	45	38	29
125	26	29	34	29	24
135	17	19	22	21	18
145	12	12	14	13	13
155	7	6	6	6	7
165	2	1	0	1	2
175	0	0	0	0	0
180	0	0	0	0	0

ZONAL LUMENS

Zone	Lumens
0	
0-10	63
10-20	181
20-30	273
30-40	328
40-50	349
50-60	338
60-70	298
70-80	233
80-90	129
90-100	66
100-110	51
110-120	38
120-130	26
130-140	16
140-150	8
150-160	3
160-170	0
180	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	5831	5779	5629
55	5586	5584	5322
65	5389	5461	5072
75	5281	5322	4951
85	4385	4309	4009

i All IES files are available for download at: www.axislighting.com